The Claims:

1.   (currently amended)   A receiver for code distribution multiple access transmission and

parallel multiple access interference suppression, the receiver comprising:

at least one multiple access interference suppression stage (ESIi) ESI$_i$ constituted by K

channels, each comprising a correlation means corresponding to a particular pseudorandom

sequence and interference generation and suppression means, each stage delivering to the

following stage K signals at least partly freed from multiple access interferences,

a final, decision stage (ED) constituted by K channels receiving the K signals from the K

channels of the preceding suppression stage and each comprising a correlation means

corresponding to one of the pseudorandom sequences and decision means delivering a data item,

means for producing synchronization signals able to control the interference suppression

means and [,]

means for producing synchronization signals able to control the decision means of the

final stage (ED), said receiver being characterized in that the means for producing the

synchronization signals are constituted by K means solely placed in the K channels of the final

stage (ED), the K synchronization signals produced by said K means controlling the K decision

means of the K channels of the final stage (ED) and the interference estimation means of the K

channels of the at least one interference suppression stages (ESIi) ESI$_i$ following appropriate time

shifts.

2.   (previously presented)Receiver according to claim 1, wherein the K synchronization sig-

nals also control the K correlation means.

3.   (currently amended)   Receiver according to claim 1, wherein the K correlation means of the K channels of the final stage (ED) are constituted by K matched filters with K pseudorandom sequences and the K correlation means of the K channels of each interference suppression stage (ESI$_i$) ESI$_i$ are constituted by K sliding correlators.